

## **Division of Information Technology Services Technical Bulletin**

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Section/Groups:  
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### **MVS/ESA SP V4.1 Enhancements**

Notice of changes in the application development environment from May 19, 1991 to June 1, 1991.

The current CPU2 Application Development region will be moved to CPU0 for two weeks to allow customer testing of the operating system upgrade and other software changes from May 19 to June 1, 1991. Implementation on CPU2, CPU3, and CPU4 is scheduled for June 2, 1991.

This Technical Bulletin explains the following:

- C Test Region Availability
- C Implementation Schedule
- C Software Products with Changes
- C Impact of Software Changes Noticeable in Test Environment
- C Test Region Billing
- C Test Environment Description
- C Test Region Assistance
- C Software Changes Not Noticeable in Test Environment
- C Information Resources
- C Attachments

### **Test Region Availability**

- C Two-week test period beginning May 19, 1991 until June 1, 1991
- C Reliable availability from 8 a.m. through 5 p.m. daily
- C Possible availability other hours
- C Not generally available 7-8 a.m., evenings, and weekends.

### **Implementation Schedule**

- C CPU2, CPU3, and CPU4 scheduled for June 2, 1991 installation of software upgrades.

## Software Products with Changes

- C New versions of JES2, ISPF, and ISPF/PDF
- C New releases of NETPASS, KOMAND, SDSF, ACF/SSP, ACF/VTAM, DF/DSS, DFHSM, EP, and RMF
- C Maintenance for ACF2, COM-LETE, ACF/NCP, DSF, EREP, MICR/OCR, NETVIEW, and RESOLVE
- C Elimination of EASYPROCLIB

## Impact of Software Changes Noticeable in Test Environments

- C COM-LETE function '\*UDS' is disabled pending receipt of vendor fix.
- C PROCLIB JCL statement eliminated
  - C An exit is in place to handle this change until January 1991
  - C PROCLIB statement is replaced by JCLLIB statement as follows:

PROCLIB statement:

```
//PROCLIB DD DSN=DATASET1.NAME,DISP=SHR
//          DD DSN=DATASET2.NAME,DISP=SHR
//          DD DSN=DATASET3.NAME,DISP=SHR
```

JCLLIB statement:

```
//MYLIB JCLLIB ORDER=(DATASET1.NAME,DATASET2.NAME,
// DATASET3.NAME)
```

- C SDSF screen added field "ODISP" for output disposition.

## Test Region Billings

Billing is in effect using the old version of KOMAND (billing software).

## Test Environment Description

- C Access switch characters
  - C Logon directly to CPU0 with CICST, TSOT, COMPDEV, NPESA
  - C If using NP, CICST and COMPDEV also logon directly to CPU0
  - C NPESA is upgraded NETPASS software on CPU0
- C CPU0 is an isolated environment
  - C Does not share JES2 (job input/output handler) with other CPUs
  - C Does not have a printer attached to it
- C Submit on CPU0, execute on CPU0 in the test region
  - C Jobs must be submitted on CPU0 if they are to execute on CPU0

- C Remove JOBPARM or change JOBPARM to CPU0
- C Submit on CPU0, execute on CPU2 or CPU3 in a production region
  - C Route execution to CPU2, CPU3, or CPU4 using JCL statement  
/\*XEQ DASDP1 (DASDP1 is the name of the shared JES2):
  - //MYJOB JOB (??,??????), '????? ?????',  
// CLASS=?,MSGCLASS=?,REGION=????K  
/\*XEQ DASDP1  
/\*JOBPARM S=CPU?  
/\*ROUTE PRINT ????? (use Destination ID from list on page 3)  
//STEP1 EXEC PGM=MYPROGRAM  
etc.
- C To print output held on CPU0, use SDSF
  - C Enter Destination ID from list below in "DEST" field
  - C Change printclass in the "0" field, if MSGCLASS=X was used
  - C "ODISP" field must be WRITE
- C To print output immediately after execution on CPU0
  - C Submit job with Destination ID from list below on ROUTE PRINT
  - C Do not use MSGCLASS=X
  - C Output may not be accessed on CPU0 using this print procedure
- C Destination ID List
  - C DLR37, FIR04, FIR72, HILR120, HLR05, HLR10, HLR15, HLR56, JIR21, LGR09, NRR22, NRR38, PSR17, SRR23, SRR35, SRR36, TRIAD1, TXR11, TXR13, TXR16, TXR47, WER29, or DASDP1 (replaces R0 or LOCAL).
  - C If your Destination ID is not listed, please call Application Review Services at 538-3720.

#### Test Region Assistance

- C Questions concerning the CPU0 test region
  - C Phone Application Review Services (ARS) at 538-3720
- C Problems encountered while working in the CPU0 test region
  - C Phone Customer Service Center (CSC) at 538-3440

#### Software Changes Not Noticeable in Test Environment

- C Banner page printed on output listings
  - C Banner page format changed
  - C Additional information may be printed for disbursement
  - C See example on Attachment B.

- C Set JCL statement assigns values to symbolic parameters
- C IF/THEN/ELSE/ENDIF JCL statements for conditional execution of job steps.
- C //PEND allowed in procedures
- C SYSOUT SPIN processing to get jobs done faster; allows print after closure or unallocation of datasets versus waiting until job completion
- C SEGMENT keyword parameter tells how much output to SPIN
- C OUTDISP keyword parameter of JCL OUTPUT statement
  - C Provides WRITE, HOLD, KEEP, LEAVE, and PURGE print choices for both normal and abnormal job completion
  - C Reduces the need to rerun jobs to get additional/lost output
- C Print separator pages with delivery info using OUTPUT JCL statement
  - C Parameters ADDRESS, BUILDING, DEPT, NAME, ROOM, and TITLE
- C Parameters with quotes can span multiple records
- C Symbolics can contain special characters
- C NOTIFY keyword on OUTPUT JCL statement for print complete notification
  - C FSS-Mode printers only
- C JCLLIB statement specifies procedure libraries used by your job.
- C INCLUDE statement specifies a PDS member that contains a set of JCL statements to be imbedded in the JCL stream.

#### Information Resources

- C Technical Bulletin 117 contains more information on enhancements to JCL, ISPF, ISPF/PDF, and SDSF.
- C Order manuals from Elaine Oaks at 538-3462
  - C JES2, JCL, and System Messages and Codes manual numbers are on Attachment A.
  - C Contact Elaine Oaks for ISPF, ISPF/PDF, and SDSF manual numbers
- C Bulletin Board—Office/Vision Electronic Mail
  - C Access electronic mail using CICS or NETPASS
  - C Menu items DAS/ITS Bulletin Board and I.T.S. Change Information will lead you to the latest news on this upgrade and the CPU0 test region
  - C Assistance with Electronic Mail/Bulletin Board is available; contact I.T.S. Production Support at 538-3488.

#### Attachments:

- Attachment A—JES2, JCL, System Messages and Codes manual information
- Attachment B—Example of the revised Banner Page

Your participation in utilizing the test environment from May 19 through June 1 is extremely important to us. It will increase the chances of indentifying and correcting software problems before installation of the upgrade on CPU2, CPU3, and CPU4 scheduled for June 2, 1991.

Attachment A: JES2, JCL, System Messages and Codes Manuals

GC23-0085-0—JES2 Messages Version 4—This book documents the messages issued by the JES2 component of MVS/ESA System Product—JES2 Version 4 Release 1.

GC28-1653—MVS/ESA JCL User's Guide—This book describes the job control tasks needed to enter jobs into the operating system, control the system's processing of jobs, and request the resources needed to run jobs. To perform the tasks, programmers code job control statements.

GC28-1654—MVS/ESA JCL Reference—This book lists the job control tasks needed to enter jobs into the operating system, control the system's processing of jobs, and request the resources needed to run jobs. To perform the tasks, programmers code job control statements.

GC28-1656—System Messages Volume 1: ADY-IDC—This book describes messages issued by most components of the ESA System Product Version 4. The books help you interpret and respond to the informational, error, and diagnostic messages that the system issues during operation.

GC28-1657—MVS/ESA System Messages Volume 2: IEA-IEE—This book describes messages issued by most components of the ESA System Product Version 4. The books help you interpret and respond to the informational, error, and diagnostic messages that the system issues during operation.

GC28-1658—MVS/ESA System Messages Volume 3: IEF-IXC—This book describes messages issued by most components of the ESA System Product Version 4. The books help you interpret and respond to the informational, error, and diagnostic messages that the system issues during operation.

GC28-1664—MVS/ESA System Codes—This book describes the system completion codes and wait state codes issued by components and subsystems of IBM MVS/ESA System Product Version 4. The book helps you interpret and respond to the system completion codes and wait state codes.